

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 02/01458

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>					
IPC 7 C11D17/06 C11D17/00 C11D3/00 C11D11/00 C11D3/10 C11D3/16 C11D3/18 C11D3/37					
According to International Patent Classification (IPC) or to both national classification and IPC					
<b>B. FIELDS SEARCHED</b>					
Minimum documentation searched (classification system followed by classification symbols)					
IPC 7 C11D					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the International search (name of data base and, where practical, search terms used)					
EPO-Internal					
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>					
Category *	Citation of document, with indication, where appropriate, of the relevant passages				Relevant to claim No.
X	DE 198 57 204 A (HENKEL KGAA) 15 June 2000 (2000-06-15) the whole document ---				1-13,15, 17,20
Y	DE 43 25 881 A (HENKEL KGAA) 9 February 1995 (1995-02-09) page 4, line 57 -page 5, line 11; claims 1,3,5-9,12,13 ---				1,7-16, 20
Y	DE 198 28 080 A (HENKEL KGAA) 30 December 1999 (1999-12-30) column 3, line 18 - line 66 column 8, line 33 - line 42; claims 1,3,7-9 ---				1,7-16, 20 -/-
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.					
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the International filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the International filing date but later than the priority date claimed					
*T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family					
Date of the actual completion of the International search			Date of mailing of the International search report		
1 August 2002			09/08/2002		
Name and mailing address of the ISA			Authorized officer		
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016			Giese, H-H		

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 02/01458

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 093 218 A (HALL ROBIN GIBSON ET AL) 25 July 2000 (2000-07-25) column 8, line 8 - line 17 column 9, line 9 - line 19 column 17, line 33 -column 18, line 49; claims 1,2,4,6,7 ----	1-6,19, 20
Y	WO 93 01269 A (UNILEVER PLC ;UNILEVER NV (NL)) 21 January 1993 (1993-01-21) page 7, line 6 -page 11, line 27; claim 12 ----	1-6,19, 20
A	US 3 933 672 A (BARTOLOTTA GUISEPPE ET AL) 20 January 1976 (1976-01-20) column 4, line 9 - line 65; claims 1,2,6,8,9,16,17 ----	1
A	DE 195 05 690 A (HENKEL KGAA) 22 August 1996 (1996-08-22) page 2, line 30 - line 60; claims 1,3-6 ----	1
A	DE 40 04 687 A (HENKEL KGAA) 22 August 1991 (1991-08-22) claims 1,5 ----	1

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No	
PCT/EP 02/01458	

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19857204	A	15-06-2000	DE 19857204 A1 WO 0036063 A1 EP 1137751 A1 US 6340662 B1	15-06-2000 22-06-2000 04-10-2001 22-01-2002
DE 4325881	A	09-02-1995	DE 4325881 A1 AT 159045 T DE 4344155 A1 DE 59404286 D1 WO 9504124 A1 EP 0712437 A1 ES 2109720 T3 JP 9501703 T	09-02-1995 15-10-1997 29-06-1995 13-11-1997 09-02-1995 22-05-1996 16-01-1998 18-02-1997
DE 19828080	A	30-12-1999	DE 19828080 A1 DE 59900992 D1 WO 9967354 A1 EP 1090102 A1	30-12-1999 18-04-2002 29-12-1999 11-04-2001
US 6093218	A	25-07-2000	GB 2315761 A AU 3891297 A AU 3962697 A BR 9710680 A BR 9711105 A BR 9711111 A BR 9711609 A CA 2255594 A1 CZ 9900302 A3 CZ 9803718 A3 EP 0906385 A1 EP 0915956 A1 EP 0915950 A1 EP 0915949 A1 HU 9904343 A2 JP 2000500812 T JP 2000505137 T JP 2000501447 T JP 2002509559 T TR 9900171 T2 WO 9743366 A1 WO 9804662 A1 WO 9804661 A1 WO 9804668 A1 US 6313086 B1 US 6380144 B1 ZA 9706669 A ZA 9706670 A ZA 9706671 A	11-02-1998 20-02-1998 20-02-1998 17-08-1999 17-08-1999 17-08-1999 15-01-2002 20-11-1997 14-07-1999 17-03-1999 07-04-1999 19-05-1999 19-05-1999 19-05-1999 28-05-2000 25-01-2000 25-04-2000 08-02-2000 26-03-2002 21-04-1999 20-11-1997 05-02-1998 05-02-1998 05-02-1998 06-11-2001 30-04-2002 10-02-1998 01-09-1998 11-02-1998
WO 9301269	A	21-01-1993	AU 670032 B2 AU 2196092 A BR 9206230 A EP 0593544 A1 WO 9301269 A1	04-07-1996 11-02-1993 27-12-1994 27-04-1994 21-01-1993
US 3933672	A	20-01-1976	GB 1407997 A AT 391479 B AT 671973 A	01-10-1975 10-10-1990 15-10-1977

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No	
PCT/EP 02/01458	

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 3933672	A		AU 5872173 A BE 803101 A2 CA 1004566 A1 CH 581186 A5 DE 2338468 A1 FI 58155 B FR 2194771 A1 IE 37960 B1 IT 995106 B JP 49085103 A NL 7310566 A ,B, SE 414048 B ZA 7305089 A	06-02-1975 01-02-1974 01-02-1977 29-10-1976 14-02-1974 29-08-1980 01-03-1974 23-11-1977 10-11-1975 15-08-1974 05-02-1974 07-07-1980 26-06-1974
DE 19505690	A	22-08-1996	DE 19505690 A1 WO 9626258 A1	22-08-1996 29-08-1996
DE 4004687	A	22-08-1991	DE 4004687 A1 AT 115622 T DE 59103912 D1 WO 9112306 A1 EP 0515417 A1 ES 2064997 T3 JP 5504162 T US 5318718 A	22-08-1991 15-12-1994 26-01-1995 22-08-1991 02-12-1992 01-02-1995 01-07-1993 07-06-1994